

Title: Detection and Typing of Human
Papillomavirus Using PNA Probes
Inventor(s): Cohenford et al.
Serial No. Not Yet Assigned
Docket No. CYM-035 Atty: Joseph A. Capraro
Express Mail No. EL653444078US



Figure 1

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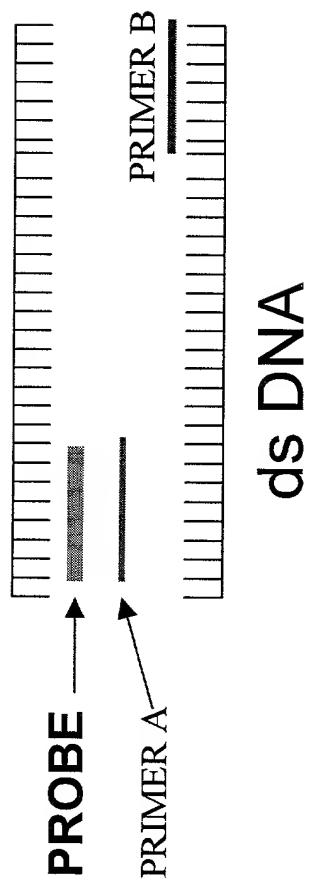


Figure 2 Competitive inhibition of DNA amplification by a blocking probe

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- Lane 1: DNA Ladder
- Lane 2: HPV DNA Strain 11,
in absence of PNA
- Lane 3: HPV DNA Strain 16,
in absence of PNA
- Lane 4: HPV DNA Strain 18,
in absence of PNA 1000 b.p.
- Lane 5: HPV DNA Strain 11
in presence of PNA I 600 b.p.
- Lane 6: HPV DNA Strain 16
in presence of PNA I 200 b.p.
- Lane 7: HPV DNA Strain 18
in presence of PNA I 100 b.p.
- Lane 8: HPV DNA Strain 11
in presence of PNA II 100 b.p.
- Lane 9: HPV DNA Strain 16
in presence of PNA II 100 b.p.
- Lane 10: HPV DNA Strain
18 in presence of PNA II 100 b.p.

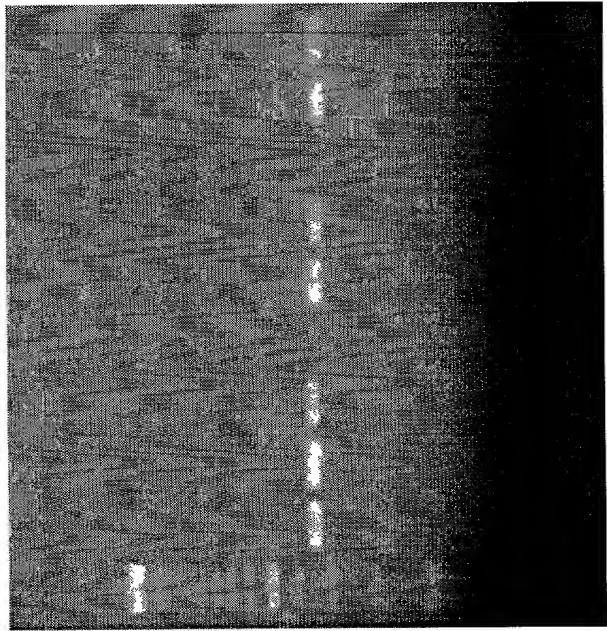


Figure 3 Selective PCR amplification of HPV DNA using PNA blocking probes

Figure 3

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